

**Intraseasonal-to-Interannual hydrologic prediction and water resource
applications in the NAME Tier 1 core area**

YEAR 2 PROGRESS REPORT

NOAA Cooperative Agreement number: NA060AR4310060

University of Washington
PI: Dennis P. Lettenmaier

Reporting Period: 6/1/2007 - 5/31/2008
Report date: 4/10/08



Exchanges

No 45 (Volume 13, No. 2)

April 2008

North American Monsoon Experiment: NAME

From Munoz-Arriola et al., page : Extended West-wide Seasonal Hydrological System: Seasonal Hydrological Prediction in the NAMS region

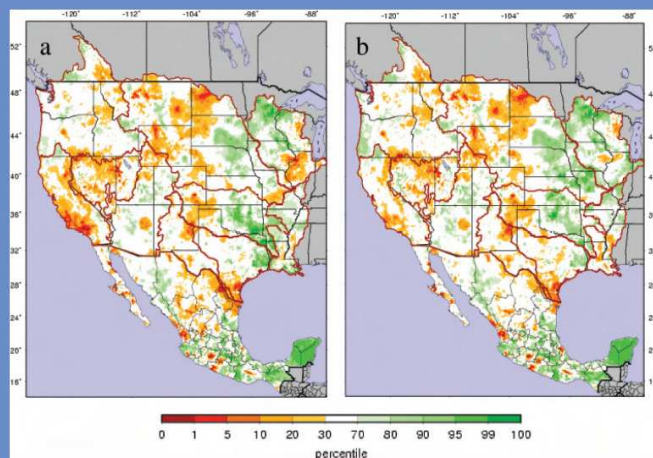


Figure1: Soil Moisture Percentiles with respect to the 1960-1999 climatology for a) January 1st 2008 and b) January 15th 2008

CLIVAR is an international research programme dealing with climate variability and predictability on time-scales from months to centuries. **CLIVAR** is a component of the World Climate Research Programme (WCRP). WCRP is sponsored by the World Meteorological Organization, the International Council for Science and the Intergovernmental Oceanographic Commission of UNESCO.

WCRP
World Climate Research Programme



Figure 1: Soil moisture percentiles (based on 1960-1999 climatology) on January 1st and January 15th, 2008

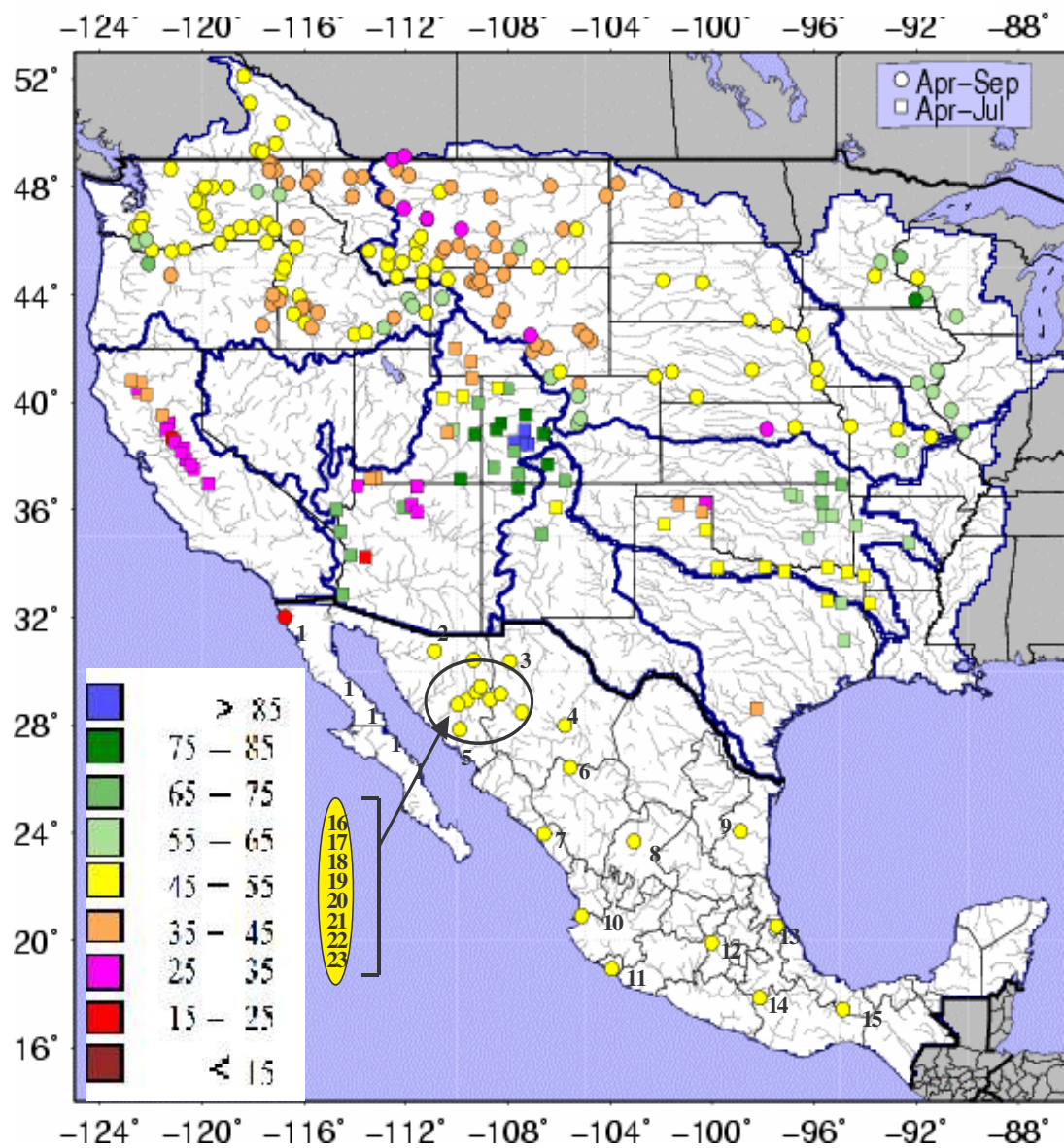


Figure 2: Streamflow percentiles (based on 1960-1999 climatology) on January 1st 2008 for the Apr-Sep forecast.

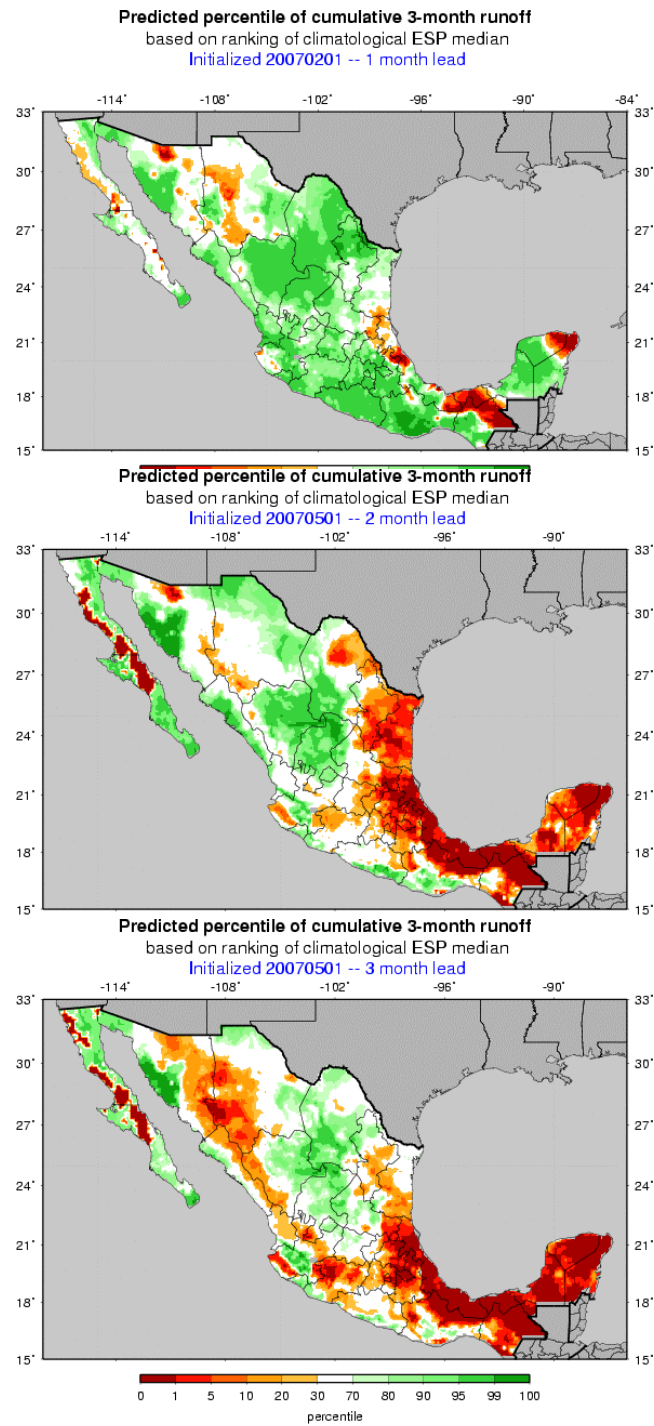


Figure 3: Cumulative runoff percentiles based on 1960-1999 climatology initialized in February 1st, May 1st and July 1st 2007 and with 1-, 2-, and 3-months lead periods, respectively.

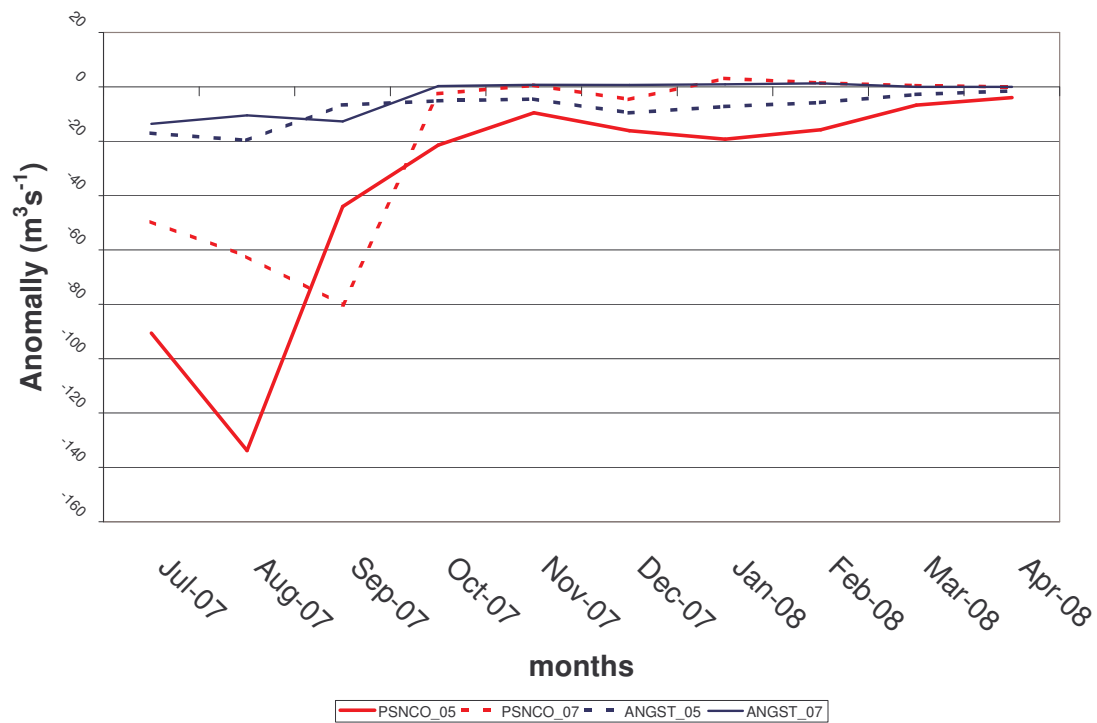


Figure 4: Streamflow anomalies for the July 2007 to March 2008 from initializations in May 1st and July 1st 2007 at Paso Nacori and Agngostura stations.